

Work Order ID 137428

Tuesday, September 29, 2015 12:48:32 PM

137428

Page 1

Item ID: D3949-043 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID:
 Item Name: Gross Weight Towing Cable Flag Assembly Stop ***NS2***
 Start Date: 10/16/2015 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 10/16/2015 Req'd Qty: 8.00 ***8*** Customer:

Reference:

Approvals: Process Plan: C2 Date: 15/09/29 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3949	B								

100 0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 29712
 Manufacture as per Dwg D3949-043
 Supplier: Tulmar
 Certificate of conformity is required

0.00

POSITIVE RECALL

EFFECTIVE 15/9/30 AUTH CP
 RELEASED CP DATE 15/9/30

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

C2 SEP 29 2015 8

8X 15-11-03

Work Order ID 137428

Tuesday, September 29, 2015 12:48:32 PM

137428

Page 2

Item ID: D3949-043 Accept ***N9000040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Gross Weight Towing Cable Flag Assembly
 Start Date: 10/16/2015 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 10/16/2015 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00				<u>8</u>			DAS 38 9-89 OCT 30 2015
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: <u>518</u> Memo	0.00 0.00				8			DAS 27 9-89 NOV 03 2015
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.01							MLC NOV 03 2015

POSITIVE RECALL
 EFFECTIVE 15/9/30 AUTH CP
 RELEASED _____ DATE _____

50 20151103

Picklist Print

Tuesday, September 29, 2015 12:48:30 PM

Page 1

Work Order ID: 137428

137428

Parent Item: D3949-043

D3949-043

Parent Item Name: Gross Weight Towing Cable Flag Assembly

Start Date: 10/16/2015

Required Date: 10/16/2015

Start Qty: 8.00

Required Qty: 8.00

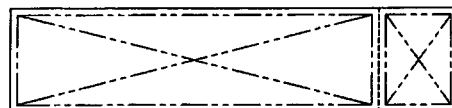
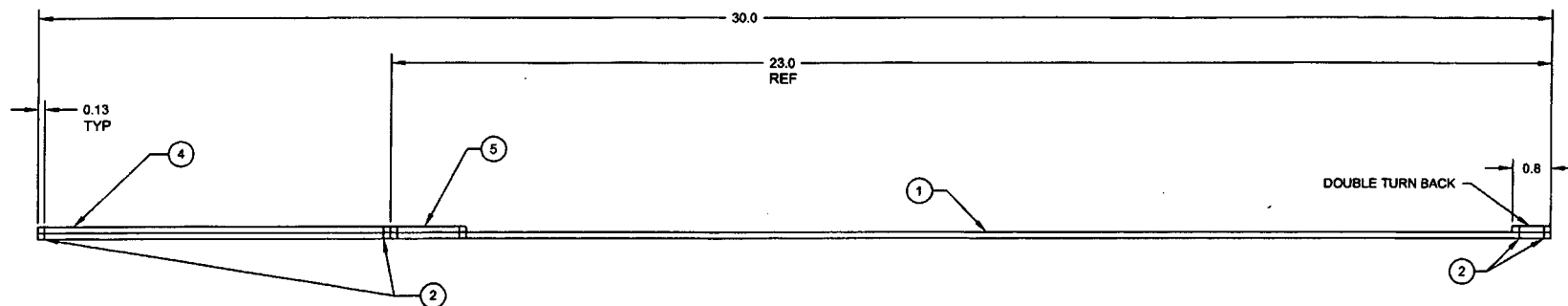
Comments: IPP Rev:A @ chg 005 DD 15.08.25 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3949-043P		Purchased	No			110	Each	0.0000	1	8			
D3949-043P									**				
Gross Weight Towing Cable Flag Assembly													

8X SP15-10

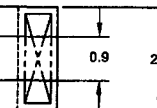
ITEM No.	QTY	PART NUMBER	DESCRIPTION
	X	D3949-043	GROSS WEIGHT TOWING CABLE FLAG ASSY
1	A/R	CLOTH	PVC COATED NYLON RED (PER SUPPLIER)
2	A/R	THREAD	PVC COATED NYLON RED (PER SUPPLIER)
3	A/R	LETTERING	WHITE PER SUPPLIER
4	7"	SBLK2.00L	SKANDIA LOOP, 7", BLACK, PER SUPPLIER
6	1.5"	SBLK2.00H	SKANDIA HOOK, 1.5", BLACK, PER SUPPLIER

SPECIFICATION CONTROL DRAWING



LETTERING BOTH SIDES
(STENCIL TYPE FONT)

REMOVE GROSS WEIGHT TOWING CABLE



D3949-043 GROSS WEIGHT TOWING CABLE

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.6
- 7) WEIGHT: 0.07 lbs

RELEASED
2015-08-14

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	AK	HAWKESBURY, ONTARIO, CANADA	
CHECKED	MB	DRAWING NO.	REV. B
MFG. APPR.	LL	D3949	SHEET 2 OF 2
APPROVED	HS	TITLE	SCALE
DE APPR.	N/A	FLAG ASSEMBLY (SCD)	NTS
DATE	09.05.14	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

Chantal Lavoie

From: Alan Stocker
Sent: Wednesday, September 23, 2015 1:20 PM
To: Chris Provencal; Chantal Lavoie
Cc: William Monterroza; Patrick Smith
Subject: FW: po29712 SO 33286 8972-002
Attachments: DSC-D3949-RevB.pdf

I think it's okay, it's ground handling equipment but Chris or Alex will have to sign off on it.

Alan

From: Chantal Lavoie
Sent: Wednesday, September 23, 2015 1:16 PM
To: Alan Stocker <astocker@dartaero.com>
Cc: Marc Bellavance <mbellavance@dartaero.com>
Subject: FW: po29712 SO 33286 8972-002

Good afternoon Alan,
Tulmar would like to know if they can substituted the Skandia Velcro for a stock Velcro that they already have in their stock.
Thanks
Chantal

From: Anna McGillis [mailto:anna@tulmar.com]
Sent: Wednesday, September 23, 2015 11:22 AM
To: Chantal Lavoie <clavoie@dartaero.com>
Cc: 'Quality Inspection' <quality@tulmar.com>; 'Robin Hunzinger' <robin@tulmar.com>; 'Helene Husk' <helene@tulmar.com>
Subject: RE: po29712 SO 33286 8972-002

Hi Chantal - Engineering has now reviewed the change from Rev A to Rev B and the change for **D3949-043** is a significant change.

Normally when companies change the revision on parts they request a new quotation since the changes often impact the price, as well as, the ECO we have to charge for all the Engineering and Sourcing changes.
Besides the ECO charge of \$150 for each part (D3949-041 & D3949-043), we will need to open a Tender Review to source and assess new costs for the changes to D3949-043 as per Engineering review below:

The change to rev B will involve a new cost roll-up as there is not only the addition of the stenciling "Remove", but there is also more cloth, no grommet, new Velcro, new tolerances, new identification requirements, etc.
Please request DART document QSI 044 6.6.
Please also ask the customer if we can substitute a stock Velcro for the Skandia hook and loop called out on the dwg. If the customer sticks with the Skandia Velcro, they will have to consider covering the cost of a min-buy on the raw material.

Due to our current workload, updating this part will only take place in the next couple of weeks.

Given the above information, our concession will be to hold the price at \$14, however, please add a line for the ECO changes (\$300 total) and if there is a minimum buy on the new Velcro, Dart will have to cover this cost.

Please send the amended PO, along with the document QSI 044 6.6 and your decision on the Velcro issue. The lead time is pending as per the changes.

Thanks.

Anna McGillis

Sales & Customer Service

TULMAR

ENGINEERED FOR PROTECTION.

Tulmar Safety Systems Inc.

1123 Cameron Street, Hawkesbury ON, Canada K6A 2B8

T 613-632-1282 x 228 | F 613-632-2030

anna@tulmar.com | <http://www.tulmar.com/>

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Sent: Wednesday, September 23, 2015 9:36 AM

To: Anna McGillis

Cc: 'Quality Inspection'; 'Robin Hunzinger'; Helene Husk

Subject: RE: po29712 SO 33286 8972-002

Hi Anna.,

Could we meet half way for the replacement.

Thanks

Chantal

From: Anna McGillis [<mailto:anna@tulmar.com>]

Sent: Wednesday, September 23, 2015 9:35 AM

To: Chantal Lavoie <clavoie@dartaero.com>

Cc: 'Quality Inspection' <quality@tulmar.com>; 'Robin Hunzinger' <robin@tulmar.com>; Helene Husk <helene@tulmar.com>

Subject: RE: po29712 SO 33286 8972-002

Hi Chantal –

I will make the replacement shop floor once our Parts Master is updated to Rev B.

Please note that we sent you our sales order confirmation which indicated that our records were at Rev A for both parts, therefore, this must be a paid replacement as we did not have the drawings at Rev B.

Therefore, please add an additional line on the PO for the replacement order. Thanks.

Anna

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Sent: Wednesday, September 23, 2015 9:11 AM

To: Anna McGillis

Cc: 'Quality Inspection'; 'Robin Hunzinger'

Subject: RE: new po29712

Good morning Anna,

We have received the po29712, it was not the D3949-041 that was made to rev. a but it was the D3949-043 made at rev.a.

Sorry they are not acceptable they are missing the (remove) on it, please see dwg attached. Will need replacement.

Thanks

Chantal

From: Anna McGillis [<mailto:anna@tulmar.com>]
Sent: Monday, September 21, 2015 1:37 PM
To: Chantal Lavoie <clavoie@dartaero.com>
Cc: 'Quality Inspection' <quality@tulmar.com>; 'Robin Hunzinger' <robin@tulmar.com>
Subject: FW: new po29712

Thank you, Chantal.

We will use this email as confirmation to ship this order and will update our files with the Rev B drawing for future orders.

Thanks!

Anna McGillis
Sales & Customer Service
TULMAR
ENGINEERED FOR PROTECTION

Tulmar Safety Systems Inc.

1123 Cameron Street, Hawkesbury ON, Canada K6A 2B8

T 613-632-1282 x 228 | F 613-632-2030

anna@tulmar.com | <http://www.tulmar.com/>

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]
Sent: Monday, September 21, 2015 1:29 PM
To: Anna McGillis
Cc: 'Quality Inspection'
Subject: RE: new po29712

Good afternoon Anna,

Please see the attached for the new rev. B dwg files and has for the order that is ready it will be acceptable.

Thanks

Chantal

From: Anna McGillis [<mailto:anna@tulmar.com>]
Sent: Monday, September 21, 2015 8:57 AM
To: Chantal Lavoie <clavoie@dartaero.com>
Cc: 'Quality Inspection' <quality@tulmar.com>
Subject: FW: new po29712

Hi Chantal - Your order is ready but our QA just discovered that you requested Rev B for D3949-041 but we only have Rev A drawing and our system says Rev A as per the attached confirmation I sent.

Please give me a call as this order has been made at Rev A. Thanks.

Anna

From: Anna McGillis [<mailto:anna@tulmar.com>]
Sent: Wednesday, September 09, 2015 11:25 AM
To: 'Chantal Lavoie'
Subject: RE: new po29712

Hi Chantal –

Thank you for your order and please find our confirmation attached.

Have a nice day!

Anna McGillis
Sales & Customer Service

TULMAR

ENGINEERED FOR PROTECTION

Tulmar Safety Systems Inc.

1123 Cameron Street, Hawkesbury ON, Canada K6A 2B8

T 613-632-1282 x 228 | F 613-632-2030

anna@tulmar.com | <http://www.tulmar.com/>

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Sent: Tuesday, September 08, 2015 1:18 PM

To: Anna McGillis

Subject: new po29712

Hi Anna,

Please see attached for new po29712, please advise delivery.

Thanks

Chantal



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

OUTSTANDING PO REPRINT

Purchase Order ID PO29712

Purchase Order Date 9/8/2015

PO Print Date 9/29/2015

Page Number 1 of 2

Order From : VC-TUL001

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

Ship To : DART AEROSPACE LTD

1270
ABERD
EEN
HAWKE
SBURY,
ON
K6A
1K7
CANAD
A

9/15/15/30

Contact Name

Vendor Phone 613 632 1282

Vendor Fax 613 632 2030

Ship To Contact

Ship To Phone

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship Method VENDOR'S TRUCK

Ship Acct

Line Nbr	Item ID Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Extended Price
4	D3949-043P AS PER DWG D3949 REV. B B137428	Gross Weight Towing Cable Flag Assembly	10/16/2015 Yes 10/16/2015	8.00 Each	\$112.00
Line Total:					\$112.00
5	71475-25	ECO CHARGE FOR NEW REV.	10/16/2015 No 10/16/2015	1.00	\$300.00
Line Total:					\$300.00

9/29/2015

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No Page

55907 1

Ship Date

10/29/2015

Bill To:

Dart Aerospace

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace

1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager
33286001	9/30/2015	CDART100	H	Francine Bigras
PO number	Ship via	Shipping Terms		
PO29712	Pick-Up	FOB HAWKESBURY		
Item No.	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
Description				

8972-002
Strap, Colour Red, 30" L x 2" W / Remove Gross WT Towing
Drawing No: D3949 (p/n D3949-043 Rev B)+MU
DWG Rev: B+1
sf 39102
Line 4
Line 6 = 71401-45 QA Clauses for Line 4
A004, A005, A007, A016, A026, A040,
A041, A043 (TSS=5yrs only)

Lot no.: BATCH0000000008 8.00

SET-UP OMO 1.00 EA 1.00
Eng Set-up ECO to RevB / 8972-001 & -002
Line 5

SP 15-10-30

Certificate of Conformance

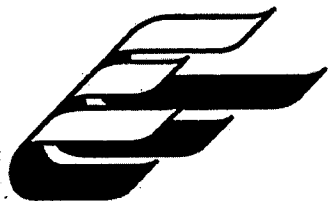
☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Francine LaLiberte

Date: OCT 29 2015



J. ENNIS FABRICS

October 26, 2015

Fax To: Tulmar Safety Systems

Fax: 613-632-2030

Attention: Allan

Fax From: Susan Nolan

Certificate of Conformance

Re: PO 29301-00 Spotlight 11 Red.

The goods shipped on P/O 29301-00 are as per sampled goods. Specification as follows:
As per mill documentation, **Spotlight 11 Red** is in compliance with the following standards:

Width: Product is 58 inches wide.
Roll Size: Average roll length is 50 yards.
Weight: Product weight is 21.18 ounces per lineal yard. Product weight is 13.15 ounces per square yard.
Content: 100% Nylon
Coating: Product has a Polyvinyl Chloride Coating
Denier: 420 Denier
Thread Count: Construction is 48 x 34 threads per square inch.
Protective Finish: Product is water repellant.
Hydro Resist: Product has hydro-resistant properties. AATCC 127-1988: 5000mm
Breaking: CAN 2-4.2-M77 Method 9.2 C.R.E. Grab: Warp: 408 lbs, Weft: 304 lbs
Tearing: CAN 2-4.2-M77 Method 12.3 Pendulum: Warp: 25 lbs. Weft: 17.5 lbs
Elongation: CAN 2-4.2-M77 Method 9.2 C.R.E. Grab: Warp: 58%, Weft: 51%
Cold Crack: Cold Crack is - 20 degree Celsius
Cautions: Not dimensionally stable with temperature change. Product fades with prolonged U.V. Exposure. PVC can crack or peel with exposure to extreme cold or solvents. Nylon is not suitable for boat tops, travel covers, tonneau covers or other outdoor applications.

Manufacture Date: 04/10/15

Lot Number: 445272

Sincerely,
J. Ennis Fabrics Ltd.

S Nolan

Susan Nolan
Customer Service Centre Specialist

cl's used to mbs. D3949-043

Rev. B + 1

Lenore Laliberte
Oct. 29/15

OCT 26 2015 AC



1738 B #9

TULMAR**Certificate of Conformance**

Tulmar P/N 0532	Description THREAD, NYLON, RED 451, V-T-295, TY2, CL. 4, SIZE E	Dwg # / Revision	Qty 10 SR
Tulmar PO # 22826-00	Line Item # 1	Supplier Name / Address CANSEN INC. 111 CHABANEY WEST, #101 MONTREAL, QUE., H1N 1C9	Supplier Packing Slip # G 75453

Supplier Declarations:

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods: USA		if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	Definition: If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☐ NO ☒
Expiry date	Definition: Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature Allan Schachter	Name ALLAN SCHACHTER	Date (DD-MM-YY) 12 MAR 12
Title VICE-PRESIDENT	Email aschachter@canam.ca	Phone # (514) 382-2807

Form Revision 16 Feb 2012

TSS # 2532/05 (SR)



3939, Boul. Thimens,
Ville St. Laurent, Quebec
H4R - 1X3

Tel: (514) 332-3350, Fax: (514) 332-2957

CERTIFICATE OF COMPLIANCE

Item Description:

TSS2680 - Fastener, Hook, Black, A-A-55126A, Type 2, Class 1, 2"wide.

FMVSS 302 & FAR 25-853A COLOUR: 580

Country Of Origin: Indonesia

OR640 - CSM HK 2" 1FN-N50 INA F-AIR*50Y*UL*

TSS2681 - Fastener, Loop, Black, A-A-55126A, Class 1, 2"wide.

FMVSS 302 & FAR 25-853A COLOUR: 580

Country of Origin: Indonesia

OR690 - CSM LP 2" 2FM-N50 INA F-AIR*50Y*UL*

Description	Quantity (yds)	Description	Quantity (yds)	Description	Quantity (yds)
5/8" Hook		1" Hook		2" Hook	300
5/8" Loop		1" Loop		2" Loop	300
3/4" Hook		1 1/2" Hook		4" Hook	
3/4" Loop		1 1/2" Loop		4" Loop	

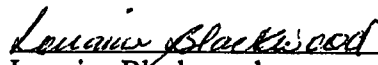
Purchase Order Number: 19395-00

Contract Number: na

Packing Slip Number: 0460024-00 Ship Date: February 7, 2011

Lot Number: PR08203530, PR08281170, PR05229030.

Customer Information: Tulmar Safety Systems



Lorraine Blackwood
YKK Canada Inc.

February 7, 2011
Date

TSS 2680/10 Rev



3939, Boul. Thimens,
Ville St. Laurent, Quebec
H4R - 1X3

Tel: (514) 332-3350, Fax: (514) 332-2957

CERTIFICATE OF COMPLIANCE

Requirements:

TULMAR 2608

Fastener Loop, Beige, A-A-55126A, CL1, 2"

Country of Origin: Indonesia.

OF650 - FSTCH LP 2" *2FM-N50*50Y* Col: C001 (Beige) Qty: 100yds

TULMAR 2681

Fastener, Loop, Black, A-A-55126A, CL1, 2". FMVSS 302 & FAR 25-853A.

Country of Origin: Indonesia

OR690 - CSM LP 2" 2FM-N50 INA F-AIR 50Y*UL* Col: 580 Qty: 50yds

Customer Information: Tulmar Safety Systems

Purchase Order Number: 25092 - 00

Sales Order Number: 0502650-00

Ship Date: March 26th, 2013

Lot Number: PR01670592, PR00028609

Lorraine Blackwood

Lorraine Blackwood

YKK Canada Inc.

March 26th, 2013

Date

2681/11



TULMAR**Certificate of Conformance**

Tulmar P/N	Description	Dwg #	Revision	Qty
7306-RET	TW MULTI PLASTIC RETARDER			1
Tulmar PO #	Line Item #	Supplier Name / Address	Supplier Packing Slip #	
26616-00	TW-1091-4	DISCOVERY LANCER 145 RIVIERA DR. MARKHAM ON L3R5J6		

Supplier Declarations:

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods : <u>USA</u>		if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☐ NO ☒
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

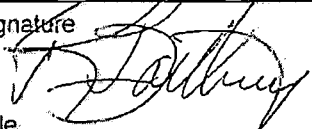
if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com

AS LONG AS LD IS ON TIGHT

Additional Information (MRS#, MRA#, limitations, etc...):

--

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name R. BARTLEY	Date (DD-MMM-YYYY) 5/11/13
Title SHIPPER	Email	Phone # 905) 470-0744

Form Revision 13 Aug 2012

7306-RET / 11 (SN)